

Amendments to the Claims

Please amend the claims as set forth below. This listing of claims replaces the claims as now pending in this application:

1. (Currently Amended) A laminated structure used for constructing walls, floors, or ceilings or doors comprising:
  - two external layers of a non-metallic material,
  - at least one internal non-honeycomb constraining layer, and
  - two or more internal layers of a viscoelastic glue separated by said at least one internal constraining layer.
  
2. (Currently amended) [[The laminated structure]] A laminated structure used for constructing walls, floors, or ceilings or doors comprising:
  - two external layers of a non-metallic material,
  - at least one internal constraining layer, and
  - two or more internal layers of a viscoelastic glue separated by said at least one internal constraining layer,

[[as in claim 1,]] wherein the constraining layer comprises metal.
  
3. (Previously presented) The laminated structure as in Claim 1, wherein said two external layers comprise each a selected thickness gypsum board layer.
  
4. (Previously presented) The laminated structure as in Claim 3, wherein said glue comprises a viscoelastic material capable of absorbing sound.

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5. (Previously presented) The laminated structure as in Claim 4, wherein said internal metal layer comprises a sheet metal layer of selected thickness.
6. (Previously presented) The laminated structure as in Claim 5, wherein said sheet metal layer of selected thickness comprises galvanized steel.
7. (Currently Amended) A laminated structure comprising:  
at least one internal layer of a selected material;  
two internal layers of a viscoelastic glue, one such layer on each side of said internal layer; and  
at least one additional layer of a non-metallic material on the other side of each internal layer of viscoelastic glue.
8. (Previously presented) The laminated structure as in claim 7 wherein said at least one additional layer comprises an external layer of a first sound absorbing material.
9. (Previously presented) The laminated structure as in claim 8 wherein said external layer of a first sound absorbing material comprises gypsum.
10. (Previously Presented) The laminated structure as in claim 8 wherein said at least one external layer comprises a plurality of layers of selected materials.

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11. (Previously Presented) The laminated structure as in claim 10 wherein said plurality of layers of selected materials comprise:

a first layer of metal;

a second layer of viscoelastic glue; and

a third layer of selected material.

12. (Previously Presented) The laminated structure as in claim 11 wherein said third layer of selected material comprises gypsum.

13. (Previously Presented) The laminated structure as in claim 7 wherein said at least one internal layer comprises a metal layer.

14. (Previously Presented) The laminated structure as in claim 7 wherein said at least one internal layer comprises a cellulose material.

15. (Previously Presented) The laminated structure as in claim 7 wherein said at least one internal layer comprises a layer of a solid petroleum-based synthetic material selected from the group consisting of a vinyl, plastic composite, or rubber.

16. Canceled

17. Canceled

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19. Canceled

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24. (Currently Amended) A laminated structure used for constructing walls, floors, or ceilings or doors comprising:

two external layers of a non-metallic material,

at least one internal constraining layer, and

two or more internal layers of a viscoelastic glue separated by said at least one internal constraining layer.

[[The laminated structure as in claim 1]] wherein the internal constraining layer comprises a cellulose material.

25. (Previously Presented) The laminated structure as in claim 24 wherein said cellulose material is wood.

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26. (Currently Amended) The laminated structure as in claim [[1]] 24 wherein said at least one internal constraining layer is selected from the group consisting of cellulose, wood, metal, plastic, vinyl, plastic composite and rubber.

27 to 39. Canceled

40. (Previously presented) A laminated, sound-absorbing structure which comprises:

a layer of first non-metallic material having two surfaces, one of said two surfaces comprising an outer surface;

a layer of viscoelastic glue on the other of said two surfaces; and

a layer of a second material over said viscoelastic glue.

41 (Previously Presented) A laminated, sound-absorbing structure as in claim 40 wherein said layer of second material is 1/10th to 1/2 the thickness of the first material.

42. (New) A laminated, sound-absorbing structure which comprises:

a layer of first non-metallic material having two surfaces, one of said two surfaces comprising an outer surface;

a layer of viscoelastic glue on the other of said two surfaces; and

a layer of a second non-metallic material over said viscoelastic glue.

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